

09/544,390

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Todd M. Hess, et al.

Ser. No. 09/544,390

Group Art Unit: 2123

Filed: April 6, 2000

Examiner: Kandasamy Thangavelu

Assignee: ABB Automation Inc.

For: System And Methodology For Adaptive, Linear Model Predictive  
Control Based On Rigorous, Nonlinear Process Model

Docket No. E005640

Cleveland, Ohio 44092

NON-FEE AMENDMENT UNDER RULE 111

**RECEIVED**

DEC 03 2003

Technology Center 2100

Hon. Commissioner  
For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

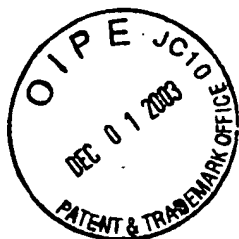
Dear Sir:

In response to the Examiner's Action (Paper No. 3) dated  
September 25, 2003, please amend the above-identified  
application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 8 of this paper.

**Remarks/Arguments** begin on page 20 of this paper.



2123

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Todd M. Hess, et al.

For: SYSTEM AND METHODOLOGY FOR ADAPTIVE, LINEAR MODEL PREDICTIVE  
CONTROL BASED ON RIGOROUS, NONLINEAR PROCESS MODEL

Serial No.: 09/544,390

Group Art Unit: 2123

Filed: April 6, 2000

Examiner: Kandasamy Thangavelu

Assignee: ABB Automation Inc.

Docket No.: E005640

## NON-FEE AMENDMENT UNDER RULE 111 TRANSMITTAL

RECEIVED

DEC 03 2003

Technology Center 2100

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Non-Fee Amendment under Rule 111 of the above-identified application.  
Additional fees for the claims are not required.

## Claims Added And Canceled By This Amendment

	Number Before The Entry Of This Amendment	Number Canceled By This Amendment	Number Added By This Amendment
Total Claims	35	28	6
Independent Claims	8	6	6

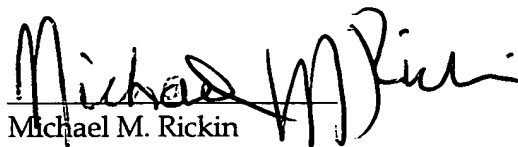
The total number of claims after entry of this Amendment is 13 and the number of  
independent claims is 8.

SIGNATURE AND CERTIFICATE OF MAILING APPEAR ON FOLLOWING PAGE

Serial No. 09/544,390

PATENT APPLICATION

Date: 11/25/03



Michael M. Rickin  
Attorney for Applicant  
Reg. No. 26,984  
ABB Inc.  
Legal Department - 4U6  
29801 Euclid Avenue  
Wickliffe, OH 44092-2530  
(440) 585-7840

**RECEIVED**

DEC 03 2003

Technology Center 2100

**CERTIFICATE OF MAILING**

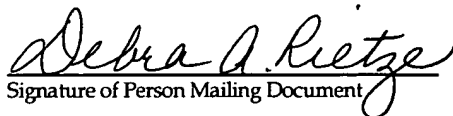
I hereby certify that this document and all attachments were deposited as first class mail with the United States Postal Service in an envelope addressed to:

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on the 25th day of November 2003.

Debra A. Rietze

Printed Name of Person Mailing Document



Signature of Person Mailing Document